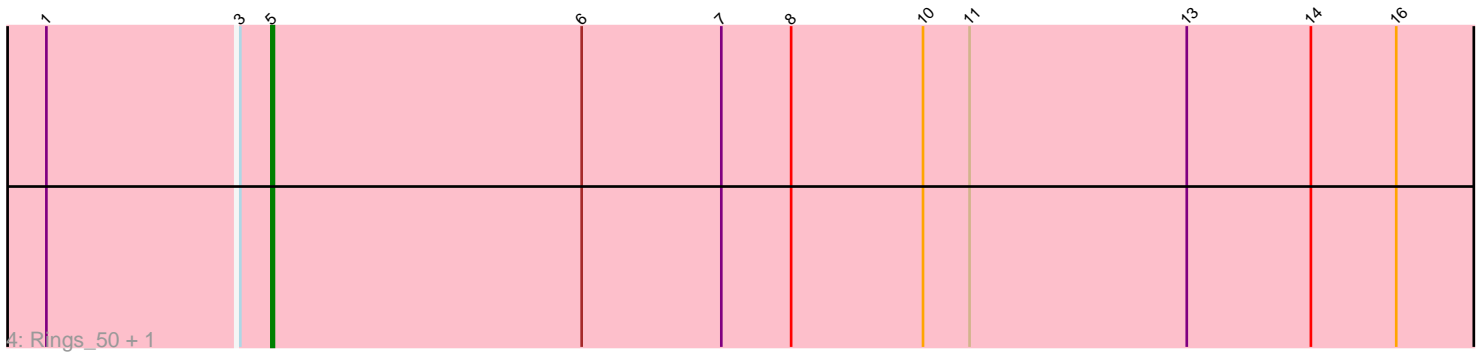
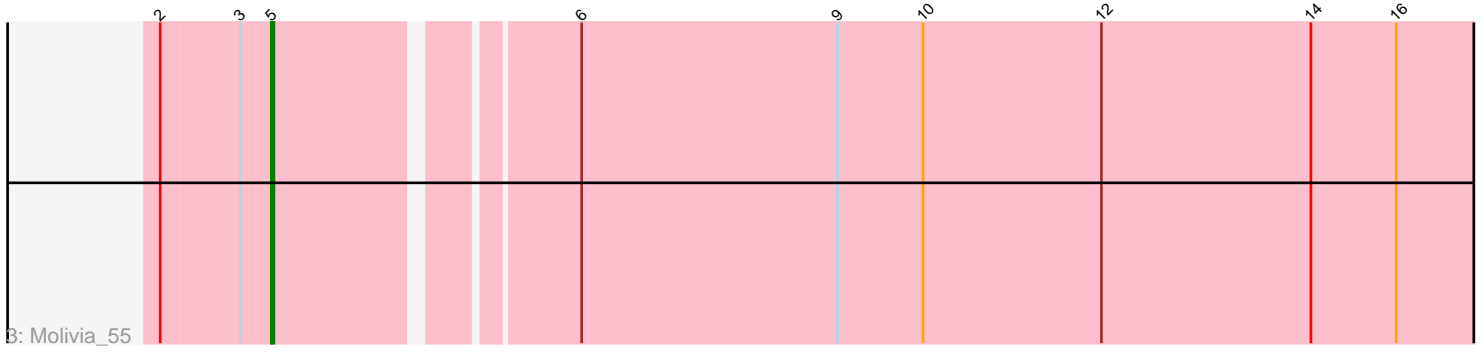
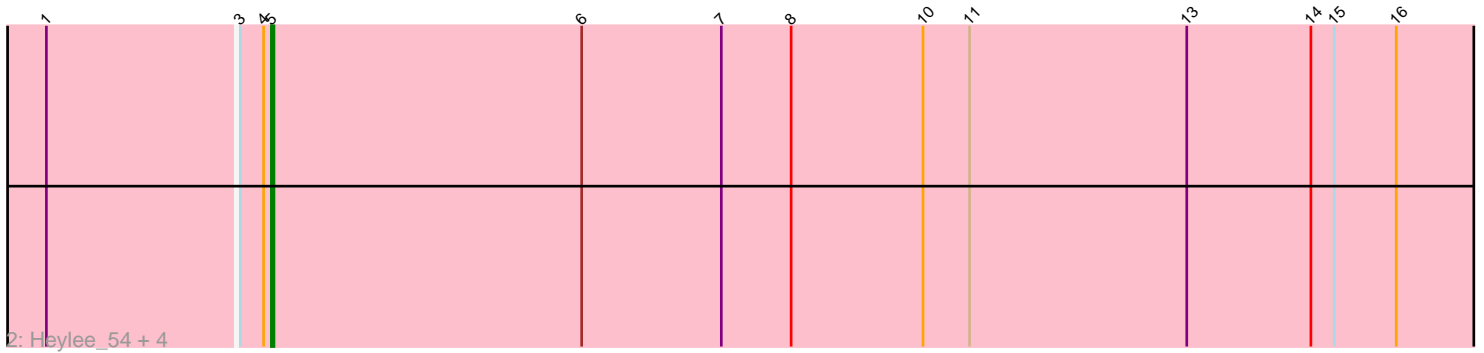
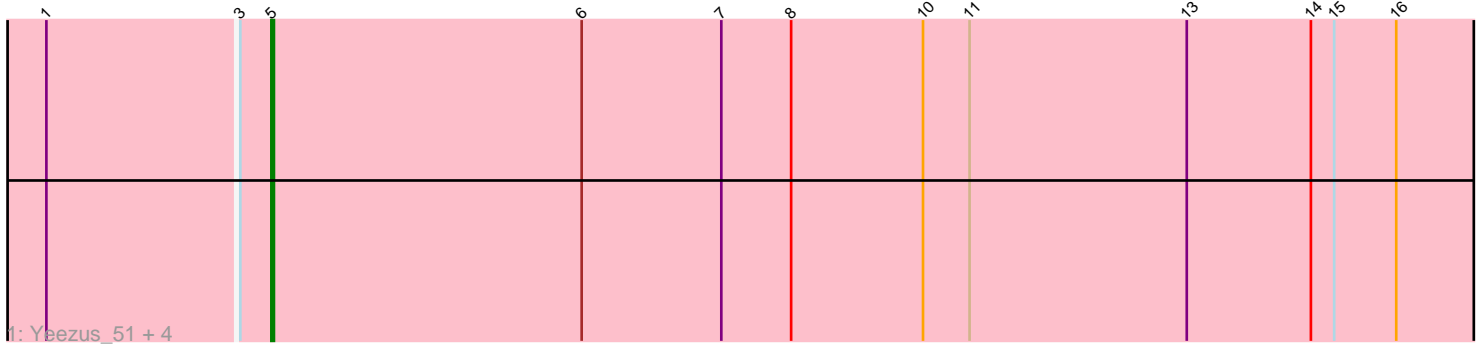


Pham 295225



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 295225 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295225 has 13 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Yeezus_51, Boersma_53, Ichor_51, Amigo_51, Jaek_51
- Track 2 : Heylee_54, Anansi_51, Gorgeous_51, Amavida_54, SorJuana_51
- Track 3 : Molivia_55
- Track 4 : Rings_50, Thunderclap_51

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 5, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amavida_54, Amigo_51, Anansi_51, Boersma_53, Gorgeous_51, Heylee_54, Ichor_51, Jaek_51, Molivia_55, Rings_50, SorJuana_51, Thunderclap_51, Yeezus_51,

Genes that have the "Most Annotated" start but do not call it:

-

Genes that do not have the "Most Annotated" start:

-

Summary by start number:

Start 5:

- Found in 13 of 13 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amavida_54 (AQ), Amigo_51 (AQ), Anansi_51 (AQ), Boersma_53 (AQ), Gorgeous_51 (AQ), Heylee_54 (AQ), Ichor_51 (AQ), Jaek_51 (AQ), Molivia_55 (AQ), Rings_50 (AQ), SorJuana_51 (AQ), Thunderclap_51 (AQ), Yeezus_51 (AQ),

Summary by clusters:

There is one cluster represented in this pham: AQ

Info for manual annotations of cluster AQ:

•Start number 5 was manually annotated 13 times for cluster AQ.

Gene Information:

Gene: Amavida_54 Start: 34114, Stop: 33629, Start Num: 5

Candidate Starts for Amavida_54:

(1, 34198), (3, 34126), (4, 34117), (Start: 5 @34114 has 13 MA's), (6, 33994), (7, 33940), (8, 33913), (10, 33862), (11, 33844), (13, 33760), (14, 33712), (15, 33703), (16, 33679),

Gene: Amigo_51 Start: 34001, Stop: 33516, Start Num: 5

Candidate Starts for Amigo_51:

(1, 34085), (3, 34013), (Start: 5 @34001 has 13 MA's), (6, 33881), (7, 33827), (8, 33800), (10, 33749), (11, 33731), (13, 33647), (14, 33599), (15, 33590), (16, 33566),

Gene: Anansi_51 Start: 33936, Stop: 33451, Start Num: 5

Candidate Starts for Anansi_51:

(1, 34020), (3, 33948), (4, 33939), (Start: 5 @33936 has 13 MA's), (6, 33816), (7, 33762), (8, 33735), (10, 33684), (11, 33666), (13, 33582), (14, 33534), (15, 33525), (16, 33501),

Gene: Boersma_53 Start: 34001, Stop: 33516, Start Num: 5

Candidate Starts for Boersma_53:

(1, 34085), (3, 34013), (Start: 5 @34001 has 13 MA's), (6, 33881), (7, 33827), (8, 33800), (10, 33749), (11, 33731), (13, 33647), (14, 33599), (15, 33590), (16, 33566),

Gene: Gorgeous_51 Start: 33936, Stop: 33451, Start Num: 5

Candidate Starts for Gorgeous_51:

(1, 34020), (3, 33948), (4, 33939), (Start: 5 @33936 has 13 MA's), (6, 33816), (7, 33762), (8, 33735), (10, 33684), (11, 33666), (13, 33582), (14, 33534), (15, 33525), (16, 33501),

Gene: Heylee_54 Start: 34114, Stop: 33629, Start Num: 5

Candidate Starts for Heylee_54:

(1, 34198), (3, 34126), (4, 34117), (Start: 5 @34114 has 13 MA's), (6, 33994), (7, 33940), (8, 33913), (10, 33862), (11, 33844), (13, 33760), (14, 33712), (15, 33703), (16, 33679),

Gene: Ichor_51 Start: 34001, Stop: 33516, Start Num: 5

Candidate Starts for Ichor_51:

(1, 34085), (3, 34013), (Start: 5 @34001 has 13 MA's), (6, 33881), (7, 33827), (8, 33800), (10, 33749), (11, 33731), (13, 33647), (14, 33599), (15, 33590), (16, 33566),

Gene: Jaek_51 Start: 34001, Stop: 33516, Start Num: 5

Candidate Starts for Jaek_51:

(1, 34085), (3, 34013), (Start: 5 @34001 has 13 MA's), (6, 33881), (7, 33827), (8, 33800), (10, 33749), (11, 33731), (13, 33647), (14, 33599), (15, 33590), (16, 33566),

Gene: Molivia_55 Start: 33003, Stop: 32533, Start Num: 5

Candidate Starts for Molivia_55:

(2, 33045), (3, 33015), (Start: 5 @33003 has 13 MA's), (6, 32898), (9, 32799), (10, 32766), (12, 32697), (14, 32616), (16, 32583),

Gene: Rings_50 Start: 34076, Stop: 33588, Start Num: 5

Candidate Starts for Rings_50:

(1, 34160), (3, 34088), (Start: 5 @34076 has 13 MA's), (6, 33956), (7, 33902), (8, 33875), (10, 33824), (11, 33806), (13, 33722), (14, 33674), (16, 33641),

Gene: SorJuana_51 Start: 33936, Stop: 33451, Start Num: 5

Candidate Starts for SorJuana_51:

(1, 34020), (3, 33948), (4, 33939), (Start: 5 @33936 has 13 MA's), (6, 33816), (7, 33762), (8, 33735), (10, 33684), (11, 33666), (13, 33582), (14, 33534), (15, 33525), (16, 33501),

Gene: Thunderclap_51 Start: 34030, Stop: 33545, Start Num: 5

Candidate Starts for Thunderclap_51:

(1, 34114), (3, 34042), (Start: 5 @34030 has 13 MA's), (6, 33910), (7, 33856), (8, 33829), (10, 33778), (11, 33760), (13, 33676), (14, 33628), (16, 33595),

Gene: Yeezus_51 Start: 34000, Stop: 33515, Start Num: 5

Candidate Starts for Yeezus_51:

(1, 34084), (3, 34012), (Start: 5 @34000 has 13 MA's), (6, 33880), (7, 33826), (8, 33799), (10, 33748), (11, 33730), (13, 33646), (14, 33598), (15, 33589), (16, 33565),